

DR11-C
general device
interface
engineering drawings

THIS IS PRINT SET

--	--	--	--	--	--

SEQUENCE

- 30-11-
- 1A-11-0-2

D-CS-MTS60-0-1

C-1A-5407775-0-0

B-CR-1 405778-0-1

D-11A-3C08R-0-0

A-SL-DR11-C-2

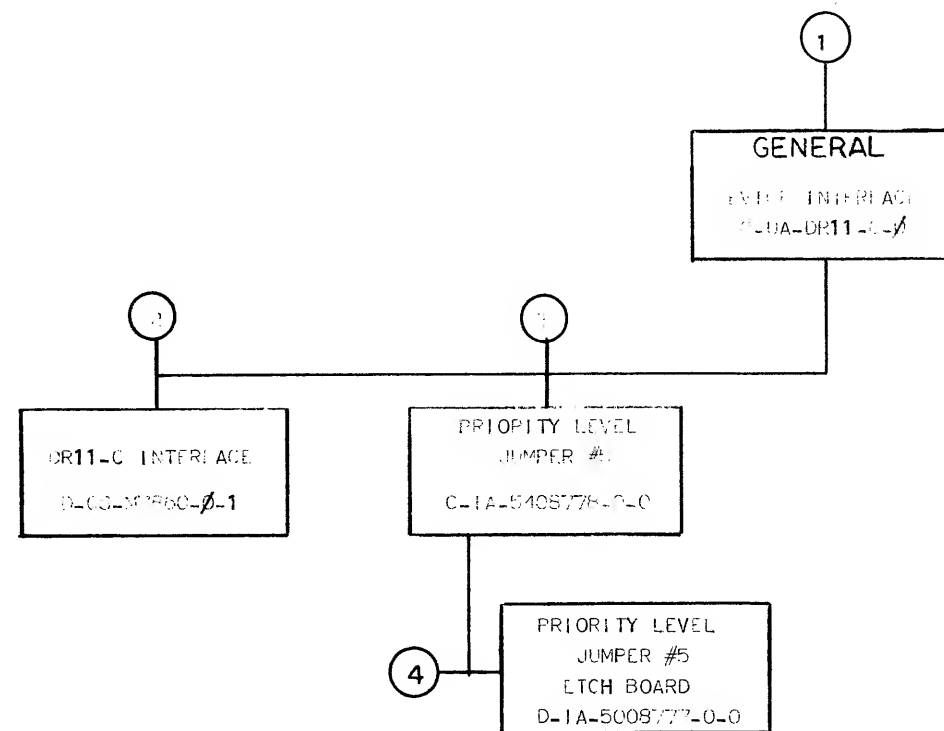
A-AL-DR11-C-3

ACCESSORY LIST

[illegible]

REVISIONS	REV	
	CHG. NO.	
DATE		

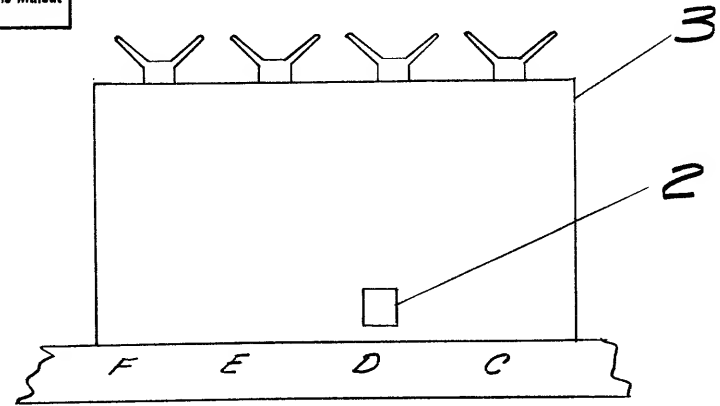
USED ON OPTION/MODEL		DRN.	DATE	TITLE				
		CHK'D	DATE					
11/20				GENERAL DEVICE INTERFACE				
		PRO. ENG.	DATE					
		PROD.	DATE					
		FIELD SERV.	DATE					
		SHEET	OF	SIZE	CODE	NUMBER		REV
				B	DD	DR11-C		
				DIST				



TITLE	SHEET 2 OF 3	SIZE	CODE	NUMBER	REV
GENERAL		B	DD	DR11-C	

[illegible]

This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.



NOTES:

1. MAY BE M920 OR BC11A.
2. MAY BE M920, M930 OR BC11A
3. PART OF POWER HARNESS IN BAIL MOUNTING BOX. (NOT SUPPLIED WITH THE DR11C OPTION.)

D

D

C

C

B

REV.

NUMBER
C UA DR11-C-0

B

A

A

REV.
CHANGE NO.
CHK

DEC FORM NO.
DRC 100

	A	B	C	D	E	F
4	UNIBUS OUT **			9727		
3	POWER *** CONNECTOR			9727		
2	RESERVED			9727		
1	UNIBUS * IN					

SEE NOTE *2

SEE NOTE *1

SEE NOTE *3

M7860

DD11-A REF

FIRST USED ON OPTION/ MOD
PDP 11/20

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± 1/64 ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP
CORNERS

MATERIAL

FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	DR11-C INTERFACE	D-C-M7860-0-1	3
1	PRIORITY JUMPER LEVEL #5	C-1A-540878-0-0	2
1	I/O CABLE	C-1A-00000-0-0	1
PARTS LIST			
DATE	5-23-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DATE	6/9/72		
DATE	1/1/73		
DATE	6-12-72		
DATE	6-12-72	GENERAL DEVICE INTERFACE	
DATE	6-12-72		
FIRST USED ON	B-DD-DR11-C	SIZE CODE	NUMBER
SCALE	NONE	C UA	DR11-C-0
SHEET	1 OF 1	DIST.	

PARTS LIST

ALLOWABLE SUBSTITUTION LIST

NOTES:

3. ON ITEM NO. 2Ø, ALL IIC CHIPS MUST BE EITHER DEC 38ØS' OR ITS' SUBSTITUTE I138Ø ICS'. COMBINATIONS ARE NOT ALLOWED ON THE SAME OPTION.

GND AND +5V ARE USUALLY PIN 7 AND PIN 14, RESPECTIVELY.
EXCEPTIONS ARE:

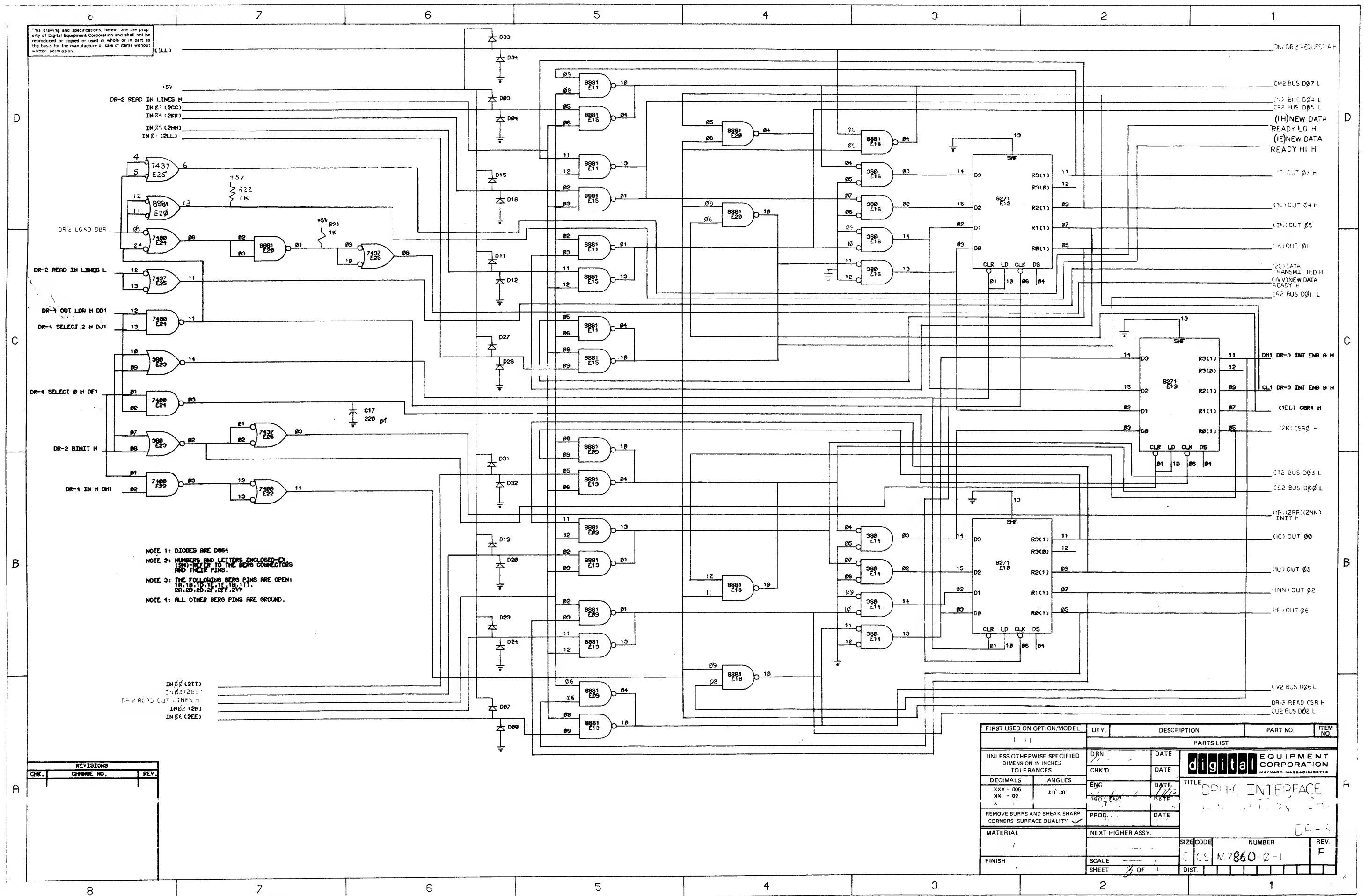
Hand-drawn schematic of a 4-bit DAC using a R-2R ladder network. The circuit has four input lines: CA2, DA2, EA2, and FA2, each connected to a +5V supply. The ladder consists of four stages of resistors. Each stage has a vertical resistor (C1-C2, C3-C6, C17-C35, C36-C51) connected to the input line and a horizontal resistor (C52, C53, C55, C54) connected to the next stage. The final output is taken from the bottom of the last stage. A common ground is connected to the bottom of the first stage and the bottom of the last stage. The resistors are labeled with values: C1-C2, C3-C6, C17-C35, and C36-C51 are all 0.01uF, while C52, C53, C55, and C54 are all 6.8uF.

COMPONENT PLACEMENT

PIN NOMENCLATURE

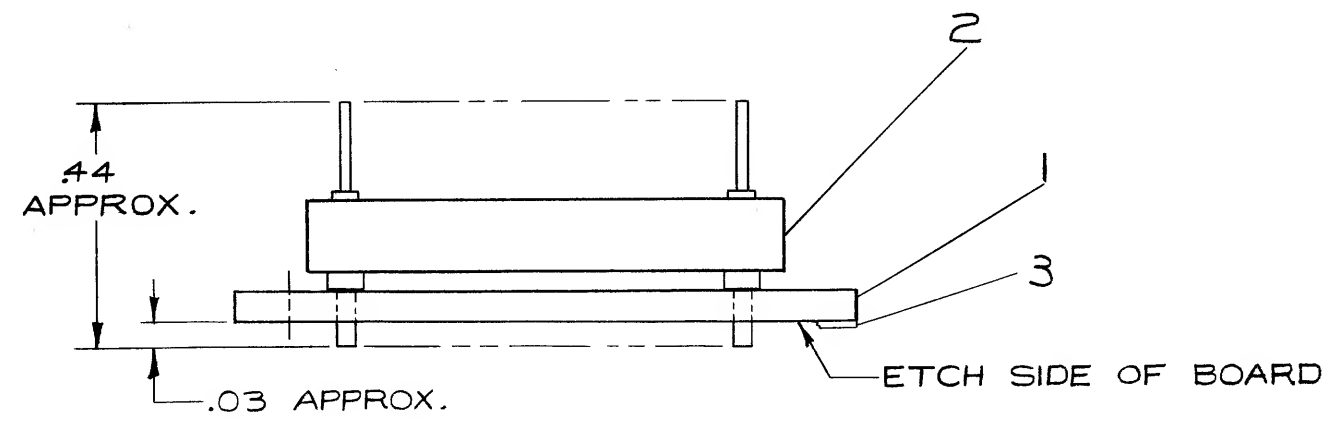
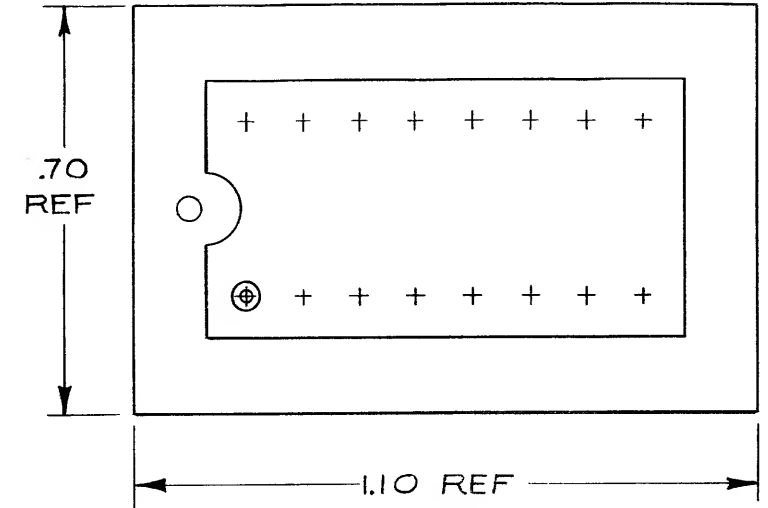
8.44 F.B.S.
REF.

ETCH BOARD REV		E	
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION
PDP11			PART NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST	
UNLESS OTHERWISE SPECIFIED		<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">digital</div> <div> EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small> </div> </div>	
DIMENSION IN INCHES		TITLE	
TOLERANCES DECIMALS FRACTIONS ANGLES $\pm .005 \quad \pm 1/64 \quad \pm 0^{\circ}30'$ FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		DR-1-C INTERFACE	
MATERIAL		DATE 2-3-72 DATE 3-2-72 DATE 3/7/72 DATE 3/7/72 DATE 3/7/72	
DRN. Margaret Shop Kiraia CHKD. J. S. Jensen ENG. Gary London PROD. EPC PROD. J. S. Jensen PROD. J. S. Jensen		NEXT HIGHER ASSY SCALE 1/1 SHEET 1 OF 4	
FINISH		SIZE CODE DCS NUMBER M7860-0-1 REV. F	



This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

NOTES :
1. CUT OFF EXCESS LENGTH OF PRONGS BEFORE SOLDERING.



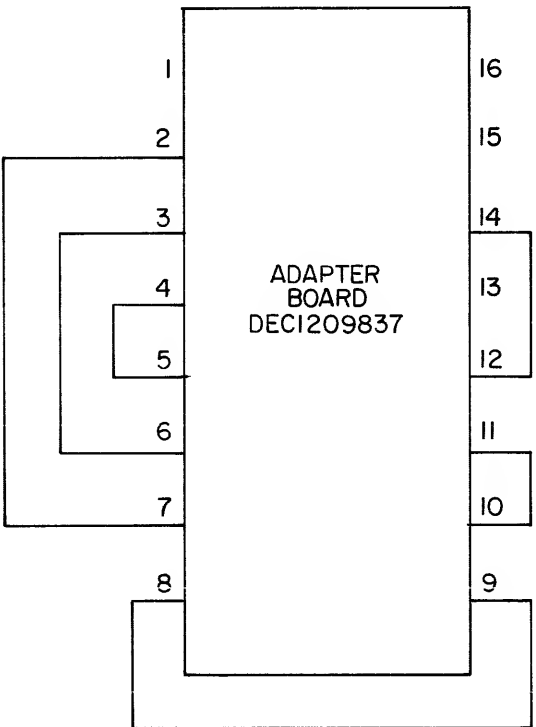
TOLERANCE
DECIMALS
XXX = $\pm .005$
XX = $\pm .02$
X = $\pm .1$

FIRST USED ON OPTION/MODEL M780	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES $\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL SEE PARTS LIST	
FINISH / /	

REF	CIRCUIT SCHEMATIC	8-CS-5408778-0-1	
A/R	TAPE VINYL 3M TRANSPARENT .75 X 1.12	9008269	3
1	PLUG, 16 PRONG, AUGAT	1209837	2
1	ETCH BOARD	D-1A-5008777-0-1	1
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DRN <i>W.F. McCarthy</i> DATE <i>5/24/70</i> CHK'D <i>J.F. Fleming</i> DATE <i>5-22-70</i> ENG. <i>J.F. Fleming</i> DATE <i>6/26/70</i> PROD. <i>Thad Dault</i> DATE <i>6/27/70</i> NEXT HIGHER ASSY			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE PRIORITY JUMPER LEVEL #5			
M780		SIZE CODE C IA	NUMBER 5408778-0-0
SCALE 5/1		REV.	
SHEET 1 OF 1		DIST. <input type="checkbox"/>	

REV.	CHANGE NO.
CHK	

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1970 BY DIGITAL EQUIPMENT CORPORATION



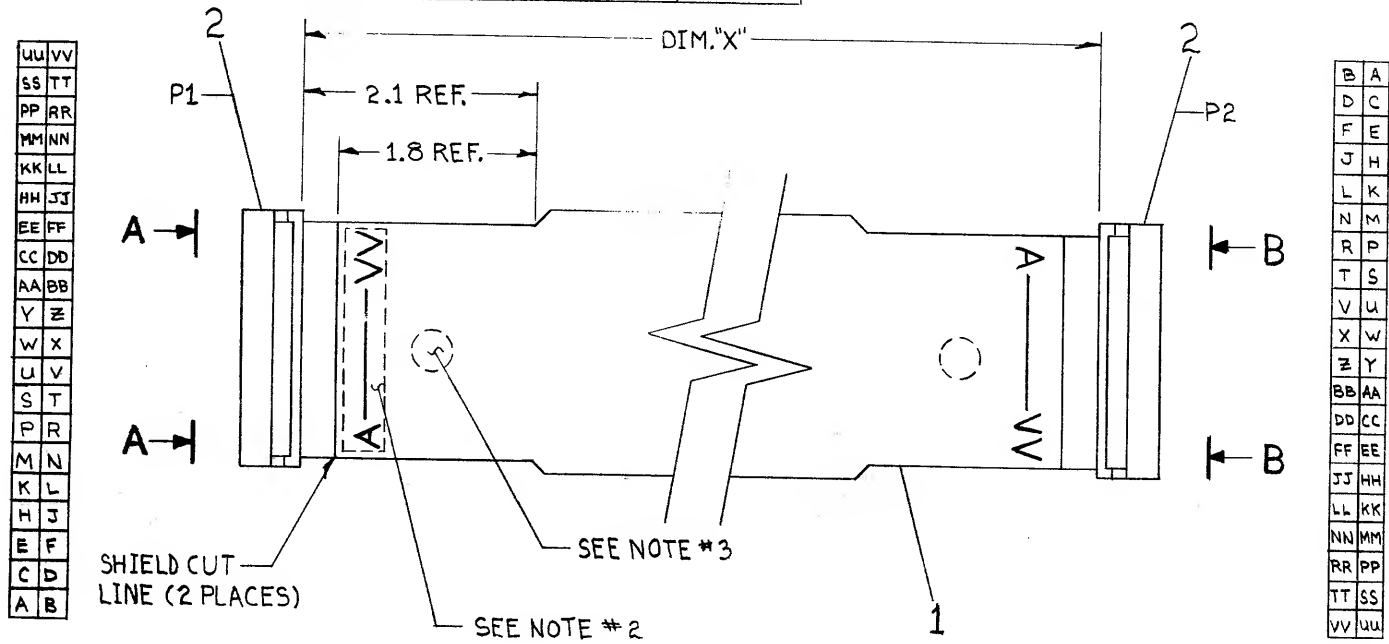
REVISIONS	CHK	CHG NO.	REV.	DRN. <i>Deanne French</i>	DATE 5-18-70	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PRIORITY JUMPE LEVEL #5 5408778		REV.	
	CHK	CHG NO.	REV.	CHK	DATE 5/18/70	DEC	EIA	DEC	EIA		SIZE B	CODE CS		NUMBER 5408778-0-1
	CHK	CHG NO.	REV.	ENG <i>898</i>	DATE 5/26/70									
	CHK	CHG NO.	REV.	PROD.	DATE									

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © , DIGITAL EQUIPMENT CORPORATION"

WIRE TABLE			
FROM	TO	FROM	TO
P1-A	P2-VV	P1-Y	P2-X
P1-B	P2-UU	P1-Z	P2-W
P1-C	P2-TT	P1-AA	P2-V
P1-D	P2-SS	P1-BB	P2-U
P1-E	P2-RR	P1-CC	P2-T
P1-F	P2-PP	P1-DD	P2-S
P1-G	P2-NN	P1-EE	P2-R
P1-H	P2-MM	P1-FF	P2-Q
P1-I	P2-LL	P1-HH	P2-P
P1-J	P2-KK	P1-IJ	P2-M
P1-K	P2-JJ	P1-LK	P2-L
P1-L	P2-IH	P1-LL	P2-K
P1-M	P2-HH	P1-MM	P2-J
P1-N	P2-GG	P1-NN	P2-I
P1-O	P2-FF	P1-PP	P2-H
P1-P	P2-EE	P1-QQ	P2-G
P1-Q	P2-DD	P1-RR	P2-F
P1-R	P2-CC	P1-SS	P2-E
P1-S	P2-BB	P1-TT	P2-D
P1-T	P2-AA	P1-UU	P2-C
P1-U	P2-ZZ	P1-VV	P2-B
P1-V	P2-YY	P1-WW	P2-A
P1-W	P2-XX	P1-X	P2-Z
P1-X	P2-WW	P1-Y	P2-Y

LEGEND		
NUMBER	DIM."X"	PRECUT LENGTH
BC08R-01	1 FT	1 FT 1.5 IN ± 1 IN
BC08R-02	2 FT	2 FT 1.5 IN ± 1 IN
BC08R-03	3 FT	3 FT 1.5 IN ± 1 IN
BC08R-04	4 FT	4 FT 1.5 IN ± 1 IN
BC08R-06	6 FT	6 FT 1.5 IN ± 1 IN
BC08R-08	8 FT	8 FT 1.5 IN ± 1 IN
BC08R-10	10 FT	10 FT 1.5 IN ± 1 IN
BC08R-12	12 FT	12 FT 1.5 IN ± 1 IN
BC08R-20	20 FT	20 FT 1.5 IN ± 1 IN
BC08R-25	25 FT	25 FT 1.5 IN ± 1 IN
BC08R-30	30 FT	30 FT 1.5 IN ± 1 IN
BC08R-50	50 FT	50 FT 1.5 IN ± 1 IN
BC08R-60	60 FT	60 FT 1.5 IN ± 1 IN
BC08R-75	75 FT	75 FT 1.5 IN ± 1 IN
BC08R-A0	100 FT	100 FT 1.5 IN ± 1 IN
BC08R-A3	130 FT	130 FT 1.5 IN ± 1 IN
BC08R-A6	160 FT	160 FT 1.5 IN ± 1 IN

- NOTES:
1. ASSEMBLE THIS CABLE PER PROCESS SPEC #7606485-0-0.
 2. CONNECTOR LEGEND IDENTIFICATION TO BE PLACED ON SHIELD SIDE OF CABLE IN THIS AREA AS SHOWN.
 3. INSPECTION & TEST STAMPS TO BE PLACED AT EACH END OF THE CABLE ASSEMBLY.



VIEW A-A
CONN. LEGEND REF.

VIEW B-B
CONN. LEGEND REF.

REV.	CHANGE NO.	CHK	DATE
J	BC08R-00004	P. GARDNER	7-17-73
J	REVISED & REDRAWN	P. GARDNER	7-17-73

2	CONNECTOR, 40 SOCKET	1211206	2
A/R	CABLE, 40 COND. FLAT W/SHIELD	1700004	1
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. D. FONTAINE 8-28-70	
TOLERANCES		CHK'D. J. FLEMING 8-28-70	
DECIMALS	ANGLES	ENG. P. GARDNER 9-3-70	
.xxx = .005	± 0° 30'	PROJ. ENG. P. GARDNER 9-3-70	
.xx = .02		PROD. DONALD 9-4-70	
.x = .1		NEXT HIGHER ASSY.	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		TITLE BC08R IO CABLE	
MATERIAL + + +		SCALE NONE	
FINISH + + +		SHEET 1 OF 1	
		DIST.	

REV J
NUMBER BC08R-0-0
SIZE CODE CUA

